

SECRET



25X1

IDEA-0132-70
Copy 1 of 7

28 April 1970

Distribution	
AMA/OSA	6 MAY 1970
DATE	
SITE	
TO	
Q13	3 420
AMC	
R&M	
File	Destiney
Tickler	Other

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report - 21-24 April 1970

1. Location and Purpose of Visit:

The undersigned visited Detachment "G" from 21-24 April 1970 to witness ejection-seat canopy-breaker test performed by LAC to qualify new canopy-breaker bar.

2. Results of Visit:

Gross observation indicates that the objectives of the ejection-seat test firing were met. A more accurate appraisal will be made after inspection of the filmed sequence from the various angles.

Of major concern during this test firing was the failure of the personnel parachute. Two (2) previous test firings over a year ago were both successful, however, the S1010 PPA was not on the dummy. A training S1010 PPA suit mated to an RQ 225 parachute like the operational parachute was utilized for this test. It should be pointed out that parts to prepare this test parachute were, in some cases, beyond shelf life and in others, salvaged from earlier ejections, since new parts were not available.



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Page 2

As a result of this ejection failure, a one-time inspection is being accomplished by LAC on all operational parachutes, the problem having been identified and discussed in message traffic.

25X1

[] See Attachment.

A second test firing with a cold soaked canopy will be performed on 6 May 1970 utilizing the S1010 PPA suit and an operational RQ 225 parachute.

25X1

Attachment
As stated above

[] AMS/OSA

CONCURRENCE AND/OR COMMENTS

25X1

[] C/AMS/OSA

28 April 70
Date

25X1

AMS/OSA []

(28 Apr 70)

Distribution

- | | | |
|-----|--------------|---------|
| 1 - | AMS/OSA | w/att |
| 2 - | " Chrono | w/o att |
| 3 - | DD/SA | " |
| 4 - | TB/OSA | " |
| 5 - | D/O/OSA | " |
| 6 - | C/Idea/O/OSA | " |
| 7 - | RB/OSA | " |

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Next 1 Page(s) In Document Exempt

CLASSIFIED MESSAGE
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(When Filled In)

FILE INFO

27 APR 1673772

REPRODUCTION PROHIBITED

27 APR 1673772
REPRODUCTION PROHIBITED

ACTION	1	DIM	6	IDEA	11	SIS	16
	2	"	7	"	12	AB	17
	3	1	8	AM	13		18
25X1	4	D/OPS	9	HFD	14		19
	5	DISA	10	NOOS	15		20

25X1
REF ID: CRET 271728Z APR 70

IDEALIST LIFE SUPPORT DM-1 SPO

25X1
REF ID: [REDACTED] DTD 24 APR 70SUBJ: PARACHUTE DROUDE GUN SEAR AND ARMING CABLE
HOUSING/CONDUIT INSPECTION25X1
ATTN: [REDACTED]

Distribution
AMA/OSA
DATE 27 APR 1970
JEE [initials]
DF
QTB 27 B
EWC EC
ESM
File Destroy
Tickler Other

1. SEVEN CHUTES HAVE BEEN INSPECTED AND ALL WERE FOUND TO BE COMPLETELY OPERABLE/SAFE. ONE HOUSING ASSEMBLY WAS FOUND TO BE OUTSIDE DRAWING TOLERANCE. HOWEVER, IN COMBINATION WITH THE DROUDE GUN, THE ASSOCIATED SEAR WOULD OPERATE PROPERLY IN THE HOUSING. THIS HOUSING ASSEMBLY WAS REPLACED.

2. A NEW DROUDE GUN, JUST RECEIVED, WAS CHECKED AND FOUND TO HAVE ITS SEAR (PIN) OUT OF TOLERANCE (TOO LARGE DIA.). THIS CONDITION WOULD HAVE BEEN FOUND DURING NORMAL INCOMING QUALITY CONTROL INSPECTION AND ALSO UPON ANY ATTEMPT TO ASSEMBLE IT WITH THE HOUSING ASSEMBLY.

25X1 3. [REDACTED] RECOMMENDS THAT PROJECT AND SPO SEND ALL CHUTES BACK THRU THE FACTORY FOR A ONE-TIME INSPECTION OF

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FILE INFO

REPRODUCTION PROHIBITED

ACTION	1	<i>DIA</i>	6	<i>20 EA</i>	11	<i>SAB</i>	16
	2		7	"	12		17
	3	/	8		13		18
	4	<i>DOPS</i>	9	<i>HIS</i>	14		19
	5	<i>SIC</i>	10	<i>DOPS</i>	15		20

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SECRET

THE HOUSING ASSEMBLY AND DROUDE GUN SEAR.

25X1 4. [] DOES NOT REGARD THIS AS A SAFETY OF FLIGHT REQUIREMENT BUT RATHER AS A ONE-TIME INSPECTION BASED UPON THE FAILURE EXPERIENCED DURING RECENT CANOPY BREAK-EJECTION TEST PER REF MESSAGE.

11 12
ZK

SECRET

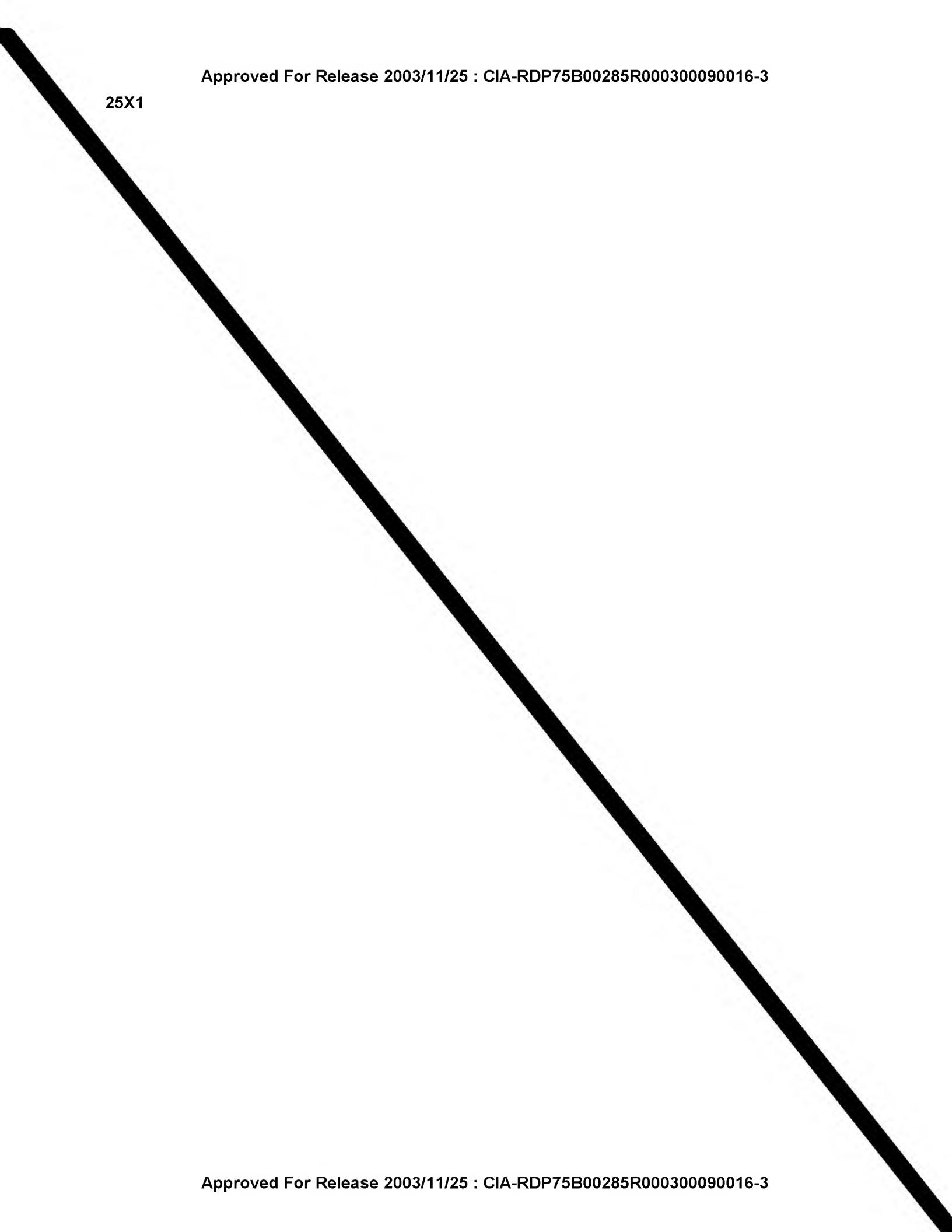
BT

*11
ZK*

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FILE INFO

REPRODUCTION PROHIBITED

ACTION	1	6	11	17	16
	2	7	12		17
	3	8	13		18
	4	9	14		19
	5	10	15		20

NNNS E C R E T 242342Z APP 76 CITE

25X1

25X1 IMMEDIATE

25X1 LIFE SUPPORT

25X1 FOR EYES ONLY

NO NIGHT ACTION

REF: RQ-225-3 PARACHUTE PROBLEM

1. THE FOLLOWING IS THE STATUS OF ALL THE HQ-225 PARACHUTES BELONG-

25X1 ING TO UNITS. ALL PARACHUTES LISTED ARE NOT TO BE CONSIDERED SERVICEABLE UNTIL NOTIFIED BY SERIAL NUMBER THAT THEY ARE TO BE RETURNED TO SERVICE.

NUMBER	LOCATION	STATUS	DOE REPACK	REMARKS
122	H	NEEDS INSP	8 JULY 70	ENROUTE H- SHIP TO G
118	LAC	NEEDS INSP	DUE	RETURN TO G
120	H	NEEDS INSP	DUE	RETURN TO G
152	H	NEEDS INSP	12 MAY 70	RETURN TO G
83	LAC	NEEDS INSP	13 JUN 70	RETURN TO G
84	LAC	NEEDS INSP	DUE	SHIP TO H
106	LAC (PMD)	NEEDS INSP	3 MAY 70	SHIP TO LAC- BURBANK-RETURN TO LAC (C.O.S.)
135	LAC	NEEDS INSP	18 JUN 70	RETURN TO G
154	G	NEEDS INSP	17 JUN 70	WILL BE SHIPPED TO LAC 25 APR 70-ICE-

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FILE INFO

24 APR 1970 3663

REPRODUCTION PROHIBITED

ACTION	1	6	11	16
	2	7	12	17
	3	8	13	18
	4	9	14	19
	5	10	15	20

NNNS E C R E T 242102Z APR 70 CITE

25X1

25X1

LIFE SUPPORT DM-1

SUBJ: PERSONNEL PARACHUTE DEPLOYMENT FAILURE

25X1 BREAK TEST AT [REDACTED] DTE 23 APR 70

25X1 TTN:

Distribution
AMA/OSA
DATE 27 APR 1970
JEE
DF
QTB JHD
EWC EC
ESM
File Destroy
Tickler Other

1. DEPLOYMENT FAILURE OF THE CHUTE WAS CAUSED AS FOLLOWS:

A. THE SEAR (PIN) OF THE DROUDE GUN ASSEMBLY WAS ON THE HIGH SIDE BUT WIHN ITS DIAMETER TOLERANCE.

B. THE CABLE CONDUIT SLEEVE P/N 4AQ1396-3 IN WHICH THE PIN SLIDES WAS TAPERED SUCH THAT IT WAS UNDER TOLERANCE NEAR END OF PIN TRAVEL.

C. THE RESULT WAS THE PIN JAMMED IN THE SLEEVE PRIOR TO RELEASE OF THE DROUDE GUN FIRING MECHANISM. (THE 1/16 IN CABLE BROKE - 480 POUND PULL).

2. THE CORRECTIVE ACTION IS TO ONE IME INSPECT ALL PARACHUTES TO ASSURE THE PROPER DIMENSIONS OF PIN AND SLEEVE TO PROVIDE PROPER CLEARANCE AND FUNCTION.

3. THE ABOVE INSPECTION WILL BE PERFORMED ON AN EXPEDITED BASIS.

25X1 4. [REDACTED] WILL BE NOTIFIED IMMEDIATELY IF ANY SEAR (PIN) ON CONDUIT SLEEVE FOUND TO BE OUT OF TOLERANCE ON THOSE PERSONNEL PARACHUTES TESTED.

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ACTION	1	6	11	16
	2	7	12	17
	3	8	13	18
	4	9	14	19
	5	10	15	20

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156	LAC	NEEDS INSP	18 JUN 70	RETURN TO G
165	H	NEEDS INSP	12 MAY 70	RETURN TO G
71	LAC	NEEDS INSP	9 JUN 70	RETURN TO G
86	LAC	NEEDS INSP	DU ^E	
77	G	NEEDS INSP	DU ^E	WILL BE SHIPPED TO LAC 25 APR 70-RE- TURN TO G
74	H	NEEDS INSP	6 JUL 70	
				TO G
154	LAC	NEEDS INSP	30 APR 70	RETURN TO G
79	H	NEEDS INSP	DU ^E	RETURN TO G
67	LAC	NEEDS INSP	DU ^E	

25X1

25X1

25X1

25X1

25X1 2. FOR [REDACTED] PARACHUTES S/N 67, 80, AND 84 ARE BEING COURIERED

25X1 TO YOU VIA [REDACTED]

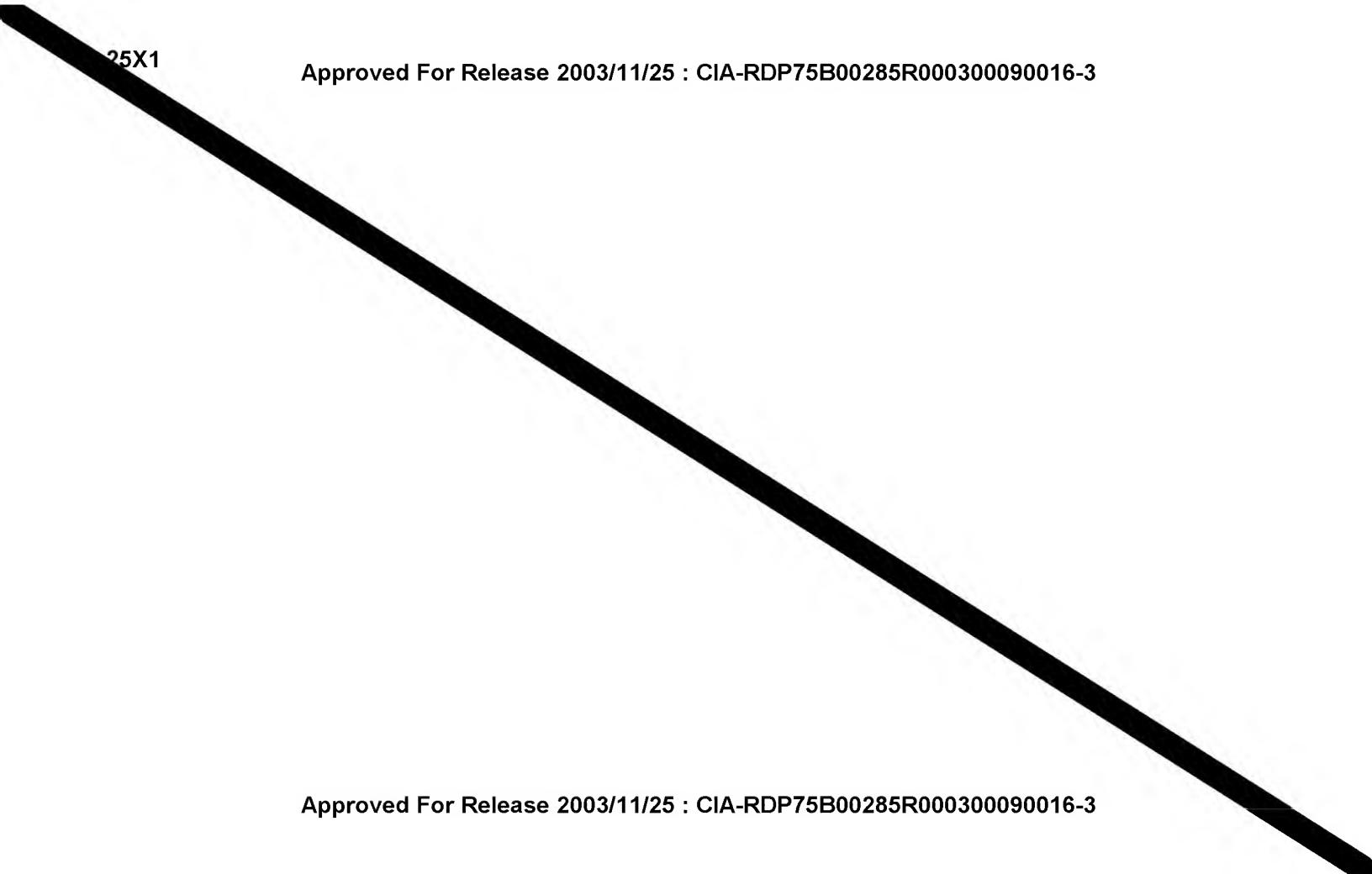
25X1 27 APRIL 70. PLEASE RETURN YOUR PARACHUTES FOR INSPECTION VIA SAME
COURIER. COURIER WILL BE [REDACTED]25X1 3. [REDACTED] WILL HAVE SERVICEABLE PARACHUTES ON HAND FOR [REDACTED]
USE BY LATE SUNDAY, 26 APRIL 70.

25X1 4. REQUEST SECURITY REPRESENTATIVE MEET [REDACTED]

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BT

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